

Project Proposal

Proposal Title: Red Hollow Water Development

Proposal Number: 1423

DWR Region: Southern Region

Lead Agency: BLM

County: Washington

Project Manager: Dave Corry

PM Phone: 4358656113

Regional Priority: Within Focus Area

Project Type: Miscellaneous

Proposed Start Date: 8/15/2009

Project Location: 20 miles northwest of St. George.

Project Description: Construct Water Catchment, associated storage tank (80,000 gallon) and 2 troughs (Jackson Wash and Desert Inn Allotments)

Description of Problem/Need: The need for this action is based upon BLM's determination that a permanent water source should be developed on BLM-administered public lands in the Red Hollow area. An old, silted-in reservoir currently sits on the proposed catchment site, the reservoir has not functioned properly for several years. The only other reliable water source in the area is Jackson Spring located approximately 1.5 miles east of the project site. The proposed water catchment would provide a reliable yearlong water source for wildlife, including the 100 to 200 mule deer that over-winter in this area as well as the livestock that are authorized to utilize the area during the winter months. It is estimated that upon completion, approximately 1500 acres would become more readily accessible to both wildlife and livestock. Additionally, the traditional use areas in and around existing water would be used less allowing better overall management of the area.

Objectives: The objective of the proposed project is to create a permanent reliable water source in the Red Hollow area.

Relevance to Strategic Plans: The proposed project is located in a Low Desert Scrub Habitat type. Mule Deer a Tier III Species would be the primary wildlife species that would benefit from the project, however the project is located immediately adjacent to Critical Habitat for the Desert Tortoise a Tier I Species.

Project Relevance to other planning documents:

The Beaver Dam Slope Habitat Management Plan, approved October 1980, does not specifically address the water catchment facility, as proposed. However, the plan states that the objectives would be: a) increase the total vegetative cover on the allotment for the benefit of game and non-game species; b) increase composition and vigor of key species for use by desert wildlife species; c) improve composition of desert bitterbrush on the allotment for use by deer. It is anticipated that the proposed action, by improving both livestock and wildlife distribution, would help to meet all three objectives identified above.

Potential Risks: During construction some wildlife species might be displaced, however they would be expected to return following completion of the project. The chance that the project would be successful is almost 100 percent.

Proposed Methods: The proposed action would construct a water catchment at the old Red Hollow Reservoir site. The catchment would be constructed by the BLM and would use existing roads for equipment access. It would consist of a large black plastic apron approximately ½ acres in size that would catch rain and/or snow water and would convey the water into an 80,000 gallon metal storage tank. The water would then flow through a 1 ½ inch pipeline to three troughs. One trough would be located in the Jackson Wash Allotment the other two in the Desert Inn Allotment, one adjacent to the storage tank and the other just through the fence on the Black brush Pasture. The troughs would likely be of the circular metal type and have a maximum capacity of approximately 500-1000 gallons. Bird escape ladders would be installed in both livestock troughs. A four strand wire fence would be constructed around the apron and storage tank. Two water lots would be constructed around the two metal troughs designed to be accessible from either pasture in each allotment. The fences would be constructed in accordance to wildlife stipulations, with the top three wires barbed and the bottom wire smooth. A ground level wildlife drinker would be installed on the pipeline inside the fenced storage tank/apron area and remain available to wildlife yearlong as per signed agreement with UDWR. Approximately 2.5 acres of soil and/or vegetation would be disturbed during construction of this project. Any soil disturbance would be smoothed out and the disturbed site seeded upon completion. The storage tank would be buried as deep as possible, so that only 2 to 3 feet of the tank would remain visible above ground. The pipeline would be buried to a depth of 2-3 feet where possible. Disturbance would be kept to the absolute minimum necessary to facilitate construction. The livestock operators on the two allotments would be responsible for the maintenance and upkeep of the catchment and pipeline as identified in a Cooperative Agreement. The BLM with assistance from UDWR would provide maintenance on the wildlife drinker.

Shapefile Name: S:/DWR/HPD-2010/GIS Shape Files/1423.shp

Seed Source:

UPCD Reg Team Coord Date:

Proposed NEPA Action:

Proposed Arch Action:

Monday, March 16, 2009 8:49:39 AM

Project Proposal

☐ Vegetation Monitoring ☐ Wildlife Monitoring

Monitoring Information:

Grazing Management: The livestock operators on the two allotments would be responsible for the maintenance and upkeep of the catchment and pipeline as identified in a Cooperative Agreement. The BLM with assistance from UDWR would provide maintenance on the wildlife drinker.

SPECIES BENEFITING

Mule Deer	Bobcat	Cougar	Gambel's Quail
Chukar			

LAND OWNERSHIP

Owner	Acres
BLM	0
Total	0

PROPOSED FUNDING

Source	Amount Requested	Date Approved	Amount Approved
BLM ARRA	\$23,000.00	3/12/2009	\$23,000.00
Unfunded Balance	\$6,500.00		\$0.00
Private	\$6,500.00		\$0.00
Totals	\$36,000.00		\$23,000.00

PROPOSED BUDGET

Item	Description	DWR Account	Partner Contrib.
Materials and Supplies	Storage Tank cover and Wildlife Drinker	\$6,500.00	\$0.00
Materials and Supplies	Apron and Storage Tank	\$20,000.00	\$0.00
Other	BLM provided seed	\$200.00	\$0.00
Materials and Supplies	Pipeline	\$1,800.00	\$0.00
Materials and Supplies	Tank Floor and Troughs	\$0.00	\$6,500.00
Materials and Supplies	Misc. other needed supplies (valves etc)	\$1,000.00	\$0.00
	Totals	\$29,500.00	\$6,500.00

Project Map:

Red Hollow
Spring

4035

x 4290

23

4000



24

4200

x 4058

Red Hollow
Reservoir

4400

x 4620